

Company Name:	Equipment / Job Identification: Truck driver Type of Equipment: Haul Truck Make: Euclid Model: R35 Year: Use: material haulage
Mine Name:	
Date of Analysis:	

Pre-Assessment:

Prerequisites:

Duty 1: Pre-Shift Meeting/Pre-Operational Inspection

Objective: The learner will explain the importance of the pre-shift meeting .The learner will explain and interpret information received in the pre-shift meeting to the instructor. Learner will demonstrate how to conduct a safe and thorough pre-operational inspection. Learner will also demonstrate and explain job job steps, why they are conducted, any associated risk, and how to implement appropriate controls. A thorough pre-operational inspection includes the following job steps:

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
Attend pre-shift meeting <ul style="list-style-type: none"> Talk to previous shift Get duty assignment from supervisor Perform self assessment for readiness to work Check weather conditions/forecast Check for red tags (lock out/tag out) 				
Check for slip/trip hazards				
Check truck is secured against movement				
Check general condition of truck				

Haulage Truck Operator Training Program

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
<ul style="list-style-type: none"> • Body pins • Body/frame for cracks • Broken or cracked welds • Roll over protection structure (rops) • Suspension cylinder & pins 				
Check for leaks				
Check suspension				
Check driveshaft				
Check steering linkage <ul style="list-style-type: none"> • Cylinder • Tie rod ends • Drag links 				
Check tires/wheels <ul style="list-style-type: none"> • Cuts • Damage • Inflation appearance • Missing/damaged mounting hardware • Cracked wheels • Rocks between wheels • Rock ejectors 				
Check physical condition of external parking brake				
Check physical condition/clean of lights				
Check fire extinguisher/fire suppression system				
Check radiator for debris/damage				
Check for unusual odors/noises/excess heat				
Check air tank relief valve/drain water				

On-Machine Inspection

Haulage Truck Operator Training Program

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
Mount machine <ul style="list-style-type: none"> • Maintain 3-point contact • Face ladder 				
Check for safe access to cab <ul style="list-style-type: none"> • Hand holds • Railings • Steps • Decks • Ladders • Doors/latches 				
Check fluid levels/inspect engine compartment <ul style="list-style-type: none"> • Hydraulic • Transmission • Engine oil • Coolant • Brake • Fuel • Grease auto-lube • Steering reservoir • Loose wires 				
Check hoses/lines/tubes/fittings for damage <ul style="list-style-type: none"> • Routing (not rubbing) • Excessive wear • Missing/loose clamps 				
Check drive belts/guards				
Check electrical system				

In Cab Inspection (Engine Off - Ignition On)

Haulage Truck Operator Training Program

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
Check mirrors/windows				
Check wipers				
Check horn				
Check seat belt				
Check lights/turn signals				
Check two way radio/computer				
Check camera				
Check backup devices				
Check emergency steering				
Adjust seat/steering wheel				
Check indicators with test switch				
Check cab/health & safety <ul style="list-style-type: none"> • Door seals/latches and acoustical materials • Cab cleanliness (dust & dirt) • Loose items/ obstructions around controls • Intake air filters 				
Check fire extinguisher/suppression				
Check all controls in neutral				

In Cab Inspection (Engine On)

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
Start/warm up Engine				

Haulage Truck Operator Training Program

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
Check heat/air conditioning/defroster				
Fasten seat belt				
Verify instrument operation				
Check brakes <ul style="list-style-type: none"> • Service brake • Parking brake • Secondary brake 				
Check retarder function				
Check monitoring system <ul style="list-style-type: none"> • Electronic • Oil pressure gauge • Air pressure gauges • Volt meter • Engine temperature 				

Complete Defect/Status Report

Complete defect/status report				

Duty 2: Operate Truck

Learner will demonstrate how to safely and productively operate the haul truck. Learner will demonstrate and explain job steps, why they are conducted, any associated risk, and how to implement appropriate controls. Operational job steps include:

Know Your Controls & Gauges

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
Know your controls & gauges <ul style="list-style-type: none"> • Purpose • Location • Use • Normal ranges 				

Maintain Communication

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
Maintain communication <ul style="list-style-type: none"> • Radio • Computers • Eye contact • Signals <ul style="list-style-type: none"> • Hand/lights/turn signals • Spotters • Report hazards/malfunctions/road conditions 				

Traveling Unloaded

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
Release parking brake				
Sound horn/check for clearance				
Engage transmission & signal before moving				
Perform initial movement checks <ul style="list-style-type: none"> Rolling brake Steering <ul style="list-style-type: none"> Front end play Proper right/left steering 				
Recognize abnormal performance <ul style="list-style-type: none"> Driveline noise and vibration Unusual odors/noises Gauges/indicators 				
Maintain safe speed for conditions <ul style="list-style-type: none"> Weather Road Visibility Traffic 				
Know your blindspots				
Check for road hazards				
Check for highwall hazards				
Practice defensive driving <ul style="list-style-type: none"> Awareness for other vehicles Vehicle spacing Scan ahead Seatbelt 				
Traveling on a Grade <ul style="list-style-type: none"> Pre-select gear for grade Use retarder 				

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
• Yield to loaded truck				
Monitor gauges for proper operation				
Clean windshield				
Use signals				
Count loads				
Accelerate smoothly				
Obey traffic signs				
Monitor television screens				

Loading

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
Maintain awareness for other vehicles				
Slow down in congested areas				
Be aware of load area conditions				
Follow loader's signals				
Check mirrors/camera when backing				
Put transmission in neutral				
Set brake (parking break/break lock)				
Stay in cab/wear seatbelt				
Check load scale				
Check handling after loading				
Release parking brake				
Look both ways prior to proceeding				

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
Signal before moving				

Traveling While Loaded

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
Adjust operation for load and conditions				
Use retarder and engine brake functions				
Recognize abnormal performance <ul style="list-style-type: none"> • Driveline noise and vibration • Unusual odors/noises • Gauges/indicators • Tires/handling 				
Maintain safe speed for conditions <ul style="list-style-type: none"> • Weather • Road • Visibility • Traffic 				
Adjust operation when going between underground and surface				
Know your blind spots				
Check for road hazards <ul style="list-style-type: none"> • Underground barricaded areas • Berm heights • Highwall/stockpile hazards 				
Practice defensive driving				

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
<ul style="list-style-type: none"> • Maintain awareness for other vehicles • Vehicle spacing • Scan ahead • Seatbelt 				
Traveling on a grade <ul style="list-style-type: none"> • Pre-select gear for grade • Use retarder • Yield to loaded truck 				
Use signals				
Accelerate/decelerate smoothly				
Obey traffic signs				
Monitor television screens				

Dumping

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
Enter dump area <ul style="list-style-type: none"> • Ensure adequate area lighting • Maintain awareness for other vehicles • Slow down in congested areas • Check for overhead powerlines • View dump crest <ul style="list-style-type: none"> • Inspect the ground surface for cracks • Check for mid -axle high berm 				

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
<ul style="list-style-type: none"> Select a reasonably level area to dump Avoid softspots and depressions Do not back up if visibility is impaired 				
Prepare to Dump <ul style="list-style-type: none"> Stop gradually Do not impact berm Keep safe distance between other dumping trucks (1 truck length between each truck) Set brake (parking break/break lock) Put transmission in neutral 				
Stay in cab				
Dump when approved <ul style="list-style-type: none"> Increase rpm Raise bed/dump load Check bed movement Lower bed completely Dump short as required Signal before moving 				
Be aware of abnormal conditions <ul style="list-style-type: none"> Load hang-up Hydraulic hoist failures Soft spots 				

Duty 3: Abnormal/Emergency Procedures

Objective: The learner will explain, and when possible, safely demonstrate the emergency procedures needed to respond to an emergency situation (after the learner feels comfortable with necessary operating skills). The learner will demonstrate other job steps as listed and explain why they are conducted. Learner will also explain any associated risks and how to implement appropriate controls.

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
Fire				
Medical				
React to panel lights				
Engine stall/power loss <ul style="list-style-type: none"> On grade On level 				
Drive shaft failure				
Tire failure				
Brake failure				
Retarder failure				
Steering failure				
Strut failure				
Hydraulic lift failure				
Electrical failure				
Contact with powerlines <ul style="list-style-type: none"> Signal others Stay in cab or drive away, if possible 				
Sudden loss of visibility <ul style="list-style-type: none"> Stop Proceed when visibility allows it 				
Loss of control <ul style="list-style-type: none"> Skidding Submersion Roll over 				

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
• Ground failure				
Other vehicle out of control				

Field Maintenance

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
Fueling				
Greasing				
Drive lines				
Hydraulics				
Tire maintenance				
Blocking techniques				
Towing				
Pressure wash/steam clean				
Battery				
Changing fluids <ul style="list-style-type: none"> • Antifreeze • Break fluid • Engine oil 				

Duty 4: End of Shift Procedures

Objective: Learner will demonstrate and explain end of shift activities. The learner will demonstrate other job steps as listed and explain why they are conducted. Learner will also explain any associated risks and how to implement appropriate controls. End of shift job steps include the following:

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
Observe gauges/indicators				

Park Truck

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
Set parking brake				
Place controls in neutral position				
Idle down/cool down engine				
Stop engine/turn off electrical power <ul style="list-style-type: none"> • Lights • Master switch • Battery disconnect switch 				
Dismount machine <ul style="list-style-type: none"> • Clean out cab • Check ladder • Observe ground condition • Maintain 3-point contact • Face ladder 				

Conduct Walk Around Inspection

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
Drain water from air tank				
Chock truck				
Look for Liquid Fluid Leaks				
Plug in block heater				

Communicate Changes In Operating Conditions

Job Steps	Importance Narrative (Consider Safety/Production/Maintenance)	Importance Ranking 1-Important 2-Very important 3-Critical	Satisfactory or Needs Work	Procedure/Risk Resolution/ Notes/Comments
Communicate changes in operating conditions <ul style="list-style-type: none"> • Truck • Mine 				